

WHAT IS CLAIMED IS:

1 1. An actuating rod in a diaphragm pump having at least one diaphragm
2 connected to the actuating rod, the actuating rod comprising:
3 at least one permanent magnet;
4 a base with openings having a quantity corresponding to a quantity of the
5 permanent magnets and positioning holes defined along a contour of each of the
6 openings;
7 caps each having a retaining opening defined to correspond to one of the
8 openings, a flange formed on an inner side face defining the retaining opening to
9 support a corresponding one of the permanent magnets and claws extending out
10 along a contour of the cap to correspond to the positioning holes of the base,
11 whereby after the permanent magnets are supported by the flanges of the
12 caps and extension of the claws into the corresponding positioning holes of the
13 base, the permanent magnets are securely sandwiched between the base and the
14 caps such that air pressure induced by movement of the diaphragm in the
15 permanent pump is strong and the pumping speed is high.